a tracing program embedded in said program code to monitor operation of said program code and log errors, warnings and messages pertaining to operation of said program code, said tracing program configured to log said errors in said first buffer, said warnings in said second buffer and said messages in said third buffer, said tracing program including a merging program module to subsequently merge said errors, warnings and messages based on a chronological order in which said errors, warnings and messages were logged.

28.   A system for tracking errors in program code as set forth in claim 27 wherein all of said buffers reside in RAM.

29.   A system for tracking errors in program code as set forth in claim 27 wherein said tracing program is further configured to time stamp each error, warning and message approximately when the respective error, warning and message is logged.

30.   A system for tracking errors in program code as set forth in claim 27 further comprising:

fourth, fifth, sixth, seventh, eighth and ninth buffers; and wherein

said first buffer stores initialization errors, said second buffer stores initialization warnings and said third buffer stores initialization messages; and

said tracing program is configured to log read errors in said fourth buffer, read warnings in said fifth buffer, read messages in said sixth buffer, write errors in said seventh buffer, write warnings in said eighth buffer and write messages in said ninth buffer.

31. A system for tracking errors in program code, said system comprising:

first, second, third, fourth, fifth, sixth, seventh, eighth and ninth buffers; and

a tracing program embedded in said program code to monitor operation of said program code and log initialization errors, read errors, write errors, initialization warnings, read warnings, write warnings, initialization messages, read messages and write messages pertaining to operation of said program code, said tracing program configured to log said initialization errors in said first buffer, said initialization warnings in said second buffer, said initialization messages in said third buffer, said read errors in said fourth buffer, said read warnings in said fifth buffer, said read messages in said sixth buffer, said write errors in said seventh buffer, said write warnings in said eighth buffer, and said write messages in said ninth buffer.

32. A system for tracking errors in program code as set forth in claim 31 wherein all of said buffers reside in RAM.

33. A system for tracking errors in program code as set forth in claim 31 wherein said tracing program is further configured to time stamp each error, warning and message approximately when the respective error, warning and message is logged.

34. A system for tracking errors in program code, said system comprising:

first, second and third buffers; and

a tracing program embedded in said program code to monitor operation of said program code and log errors, warnings and messages pertaining to operation of said program code, said

tracing program configured to log said errors only in said first buffer, said warnings only in said second buffer and said messages only in said third buffer.

35. A system for tracking errors in program code as set forth in claim 34 wherein all of said buffers reside in RAM.

36. A system for tracking errors in program code as set forth in claim 34 wherein said tracing program is further configured to time stamp each error, warning and message approximately when the respective error, warning and message is logged.--